Puget Sound Water Quality Action Team

Seventh Report of the Puget Sound Ambient Monitoring Program

March 2000

Puget Sound Water Quality Action Team

P.O. Box 40900 Olympia, Washington 98504-0900 360/407-7300 or 800/54-SOUND http://www.wa.gov/puget_sound

The Puget Sound Water Quality Action Team is an equal opportunity employer.

If you have special accommodation needs, or need this document in an alternative format, please contact the Action Team's ADA representative at (360) 407-7300. The Action Team's TDD number is 1 (800) 833-6388.

ACKNOWLEDGMENTS

This report is the product of the Puget Sound Ambient Monitoring Program and the Puget Sound Water Quality Action Team.

Prepared by Action Team staff. Compiled and written by Scott Redman and Lori Scinto. Edited by Melissa Pearlman. Layout and graphics by Toni Weyman Droscher and Jill Williams.

The PSAMP Steering and Management committees directed the development of this report. The members of these committees and the following people contributed material, comments and advice. Their contributions were essential to the development of this document.

Shelly Ament, Washington Department of Fish and Wildlife

John Armstrong

Ken Balcomb, Center for Whale Research

Greg Bargmann, Washington Department of Fish and Wildlife

Allison Beckett, Washington Department of Ecology

John Calambokidis, Cascadia Research Collective

Liz Carr, Washington Department of Fish and Wildlife

Denise Clifford, Puget Sound Water Quality Action Team

Wayne Clifford, Washington Department of Health

Andrea Copping, Washington SeaGrant

Jennifer Cutler, Northwest Indian Fisheries Commission

John Dohrmann, Puget Sound Water Quality Action Team

Graeme Ellis, Department of Fisheries and Oceans Canada - Pacific Biological Station

Mary Farmer, Island County/WSU Beach Watchers

Zach Ferdana, People for Puget Sound

Sandra Hanson, Washington Department of Fish and Wildlife

Steve Jeffries, Washington Department of Fish and Wildlife

Art Johnson, Washington Department of Ecology

Randy McIntosh, Northwest Indian Fisheries Commission

Brenden McFarland, Washington Department of Ecology

Nancy McKay, Puget Sound Water Quality Action Team

Don Melvin, Washington Department of Health

Jim Morrison, Department of Fisheries and Oceans Canada

Don Norman, Norman Wildlife Consulting

Tom O'Connor, National Oceanic and Atmospheric Administration

Wayne Palsson, Washington Department of Fish and Wildlife

Martin Payne, Washington Department of Ecology

Blaine Reeves, Washington Department of Agriculture

Dave Seiler, Washington Department of Fish and Wildlife

Devin Smith, Northwest Indian Fisheries Commission

Julie Stofel, Washington Department of Fish and Wildlife

Les Swain, British Columbia Ministry of Environment, Land, and Parks

Bob Woolrich, Washington Department of Health

PSAMP Steering Committee

Helen Berry, Washington Department of Natural Resources

John Carleton, Washington Department of Fish and Wildlife

Tracy Collier, National Marine Fisheries Service, Northwest Fisheries Science Center

Jay Davis, U.S. Fish and Wildlife Service

Tim Determan, Washington Department of Health

Bruce Duncan, U.S. Environmental Protection Agency, Region 10

Maggie Dutch, Washington Department of Ecology

Ken Dzinbal, Washington Department of Ecology

William Ehinger, Washington Department of Ecology

Tom Mumford, Washington Department of Natural Resources

Jan Newton, Washington Department of Ecology

Dave Nysewander, Washington Department of Fish and Wildlife

Sandie O'Neill, Washington Department of Fish and Wildlife

Randy Shuman, King County Department of Natural Resources

Kim Stark, King County Department of Natural Resources

Jim West, Washington Department of Fish and Wildlife

PSAMP Management Committee

Bill Backous, Washington Department of Ecology

Morris Barker, Washington Department of Fish and Wildlife

Duane Fagergren, Puget Sound Water Quality Action Team

Mary Mahaffy, U.S. Fish and Wildlife Service

Maria Victoria Peeler, Washington Department of Natural Resources

Michael Rylko, U.S. Environmental Protection Agency, Region 10

Jennifer Tebaldi, Washington Department of Health

John Stein, National Marine Fisheries Service, Northwest Fisheries Science Center

Puget Sound Water Quality Action Team Members

Action Team and Puget Sound Council Chair—Nancy McKay

Cities—Chuck Booth, City of Auburn, Mayor

Counties-Louise Miller, King County Council, Vice Chair

Interagency Committee for Outdoor Recreation—Laura Eckert Johnson, Director

State Parks & Recreation Commission—Cleve Pinnix, Director

Tribes—Daryl Williams, Director, Department of the Environment, The Tulalip Tribes

Washington Department of Agriculture—Jim Jesernig, Director

Washington Department of Community, Trade & Economic Development—Busse Nutley, Deputy Director

Washington Department of Ecology—Tom Fitzsimmons, Director

Washington Department of Fish and Wildlife—Jeff Koenings, Director

Washington Department of Health—Mary Selecky, Secretary

Washington Department of Natural Resources—Kaleen Cottingham, Deputy Commissioner

Washington Department of Transportation—Sid Morrison, Secretary

Washington State Conservation Commission—Steve Meyer, Executive Director

- *National Marine Fisheries Service—Will Stelle, Regional Administrator
- *U.S. Environmental Protection Agency—Chuck Clarke, Regional Administrator
- *U.S. Fish and Wildlife Service—Gerry Jackson, Supervisor

Puget Sound Council Members

Chair, Puget Sound Water Quality Action Team—Nancy McKay

Agriculture—Jerry Van der Veen, dairy farmer

Business—Kirk Anderson, Fisher Properties, Inc.

Cities—Jackie Aitchison, Poulsbo City Council

Counties—Rhea Miller, San Juan County Board of County Commissioners

Environmental Community—Tom Putnam, Puget Soundkeeper Alliance

Shellfish—Bill Dewey, Taylor Shellfish Farms, Inc.

Tribes—Fran Wilshusen, Northwest Indian Fisheries Commission

- *Washington State House of Representatives—Representatives Dave Anderson and Gary Chandler
- *Washington State Senate—Senators Tracey Eide and Pam Roach
- * indicates non-voting members

^{*} indicates non-voting members

This report is funded in part by the U.S. Environmental Protection Agency (EPA). The contents of this document do not necessarily reflect the views and policies of the EPA, nor does mention of trade names or commercial products constitute endorsements or recommendations for use.

Recommended bibliographic citation:

Puget Sound Water Quality Action Team. 2000. 2000 Puget Sound Update: Seventh Report of the Puget Sound Ambient Monitoring Program. Puget Sound Water Quality Action Team. Olympia, Washington.